

ORIGINAL

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ALCATEL

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February 1, 2001

Margalie R. Salas
Secretary
Federal Communications Commission
445 12th Street, S.W., TW-A235
Washington, D.C. 20554

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FEB 8 2001

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Re: SBC/Ameritech Merger
CC Docket No. 98-141/ASD File No. 99-49
Notice of Ex Parte Meeting

Dear Ms. Salas:

Please be advised that on January 31, 2001, I and Mr. Jerry Jackson of Alcatel USA met with Ms. Johanna Mikes, Ms. Elizabeth Yockus and Mr. Aaron Goldberger, all from the FCC Common Carrier Bureau to discuss issues related to the above referenced matter. In the course of the discussion, Alcatel USA described the elements of the remote terminal network architecture, including line card functionality, network bandwidth constraints and the difficulties of multi-carrier provisioning of services. In addition, Alcatel USA discussed the ongoing collaborative meetings between ILECs & CLECs, as prescribed in the SBC Project Pronto Waiver Order. The attached presentation was used in the course of these discussions.

If you have any questions concerning this contact, please do not hesitate to call me at the above referenced number.


Sincerely,



James J. Gunther, Jr.

Attachment

cc Johanna Mikes, CCB (w/o attachment)
Elizabeth Yockus, CCB (w/o attachment)
Aaron Goldberger, CCB (w/o attachment)

10.0 Copies rec'd 
BCDE

SBC Industry Collaborative Meeting

Dallas, Texas

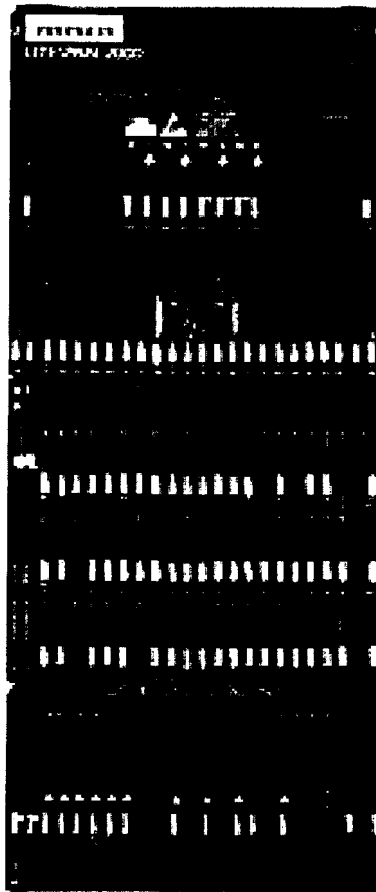
January 25, 2001

Darryl Besemer

Alcatel USA



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Market leader:

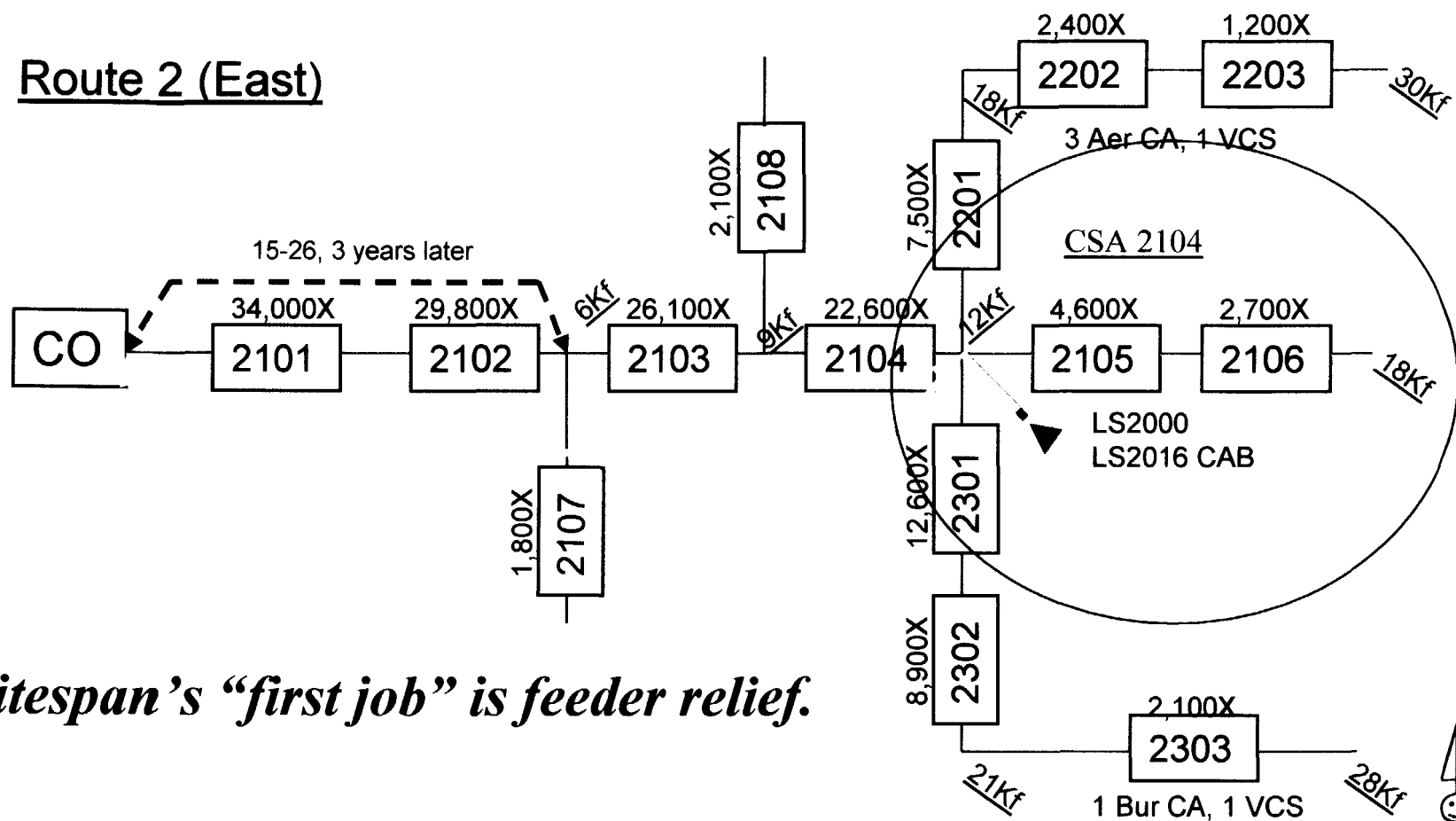
Industry's first optical NGDLC, first GR303, and first integrated NGDLC with ATM-DSL

Footprint in every major Telco in the US

► 43 million lines of RT capacity EOY 2000

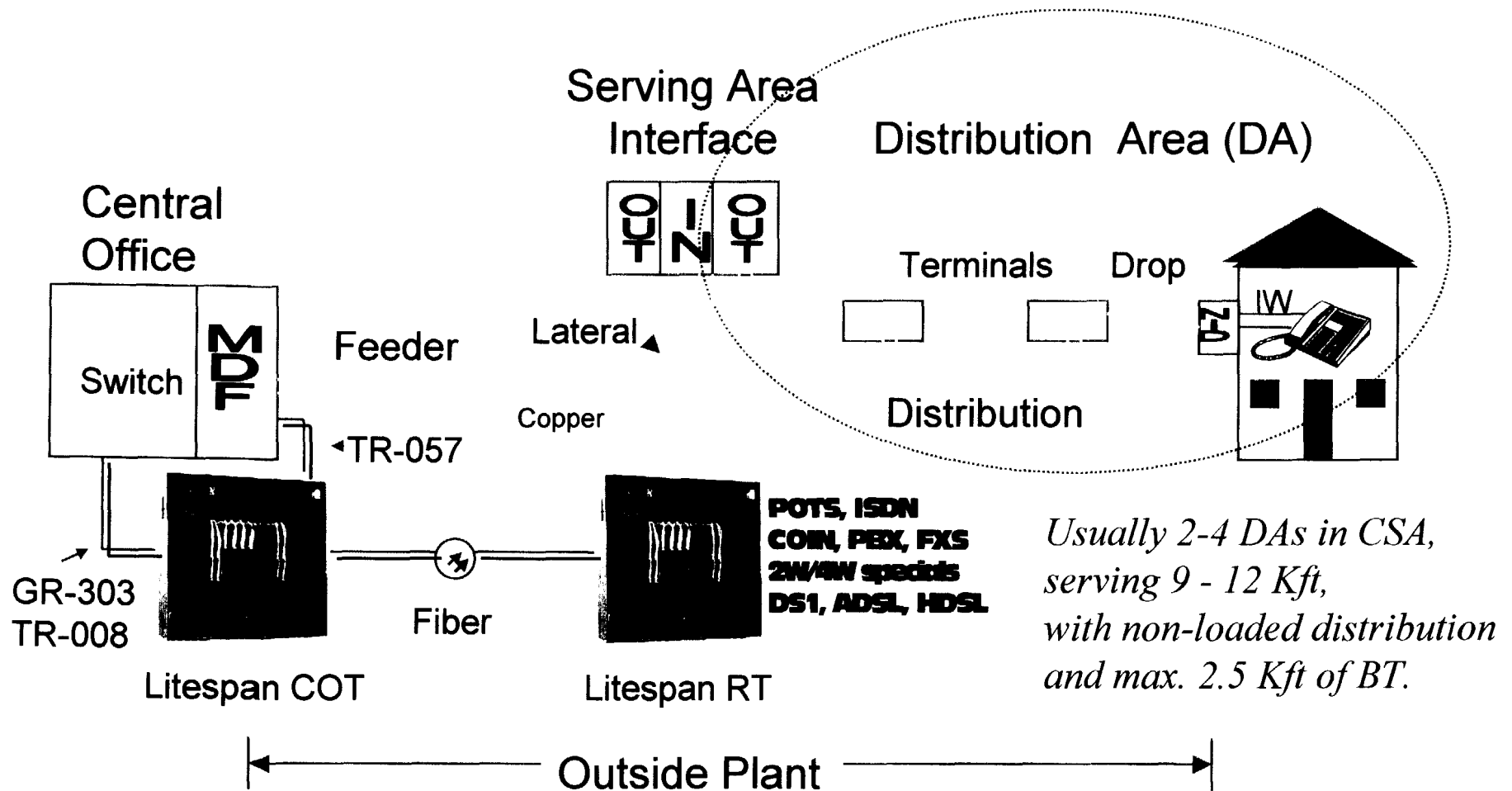
Supports multi-protocol with TDM and ATM on a single platform

Route 2 (East)



Litespan's "first job" is feeder relief.

Litespan is optimized for Carrier Serving Area applications.



LS-2000

Replace BCUs with ABCUs (2)

Add ADLUs

In Service

Transport by:

- ▶ Separate Fiber
- ▶ LS 2012 Subtending
- ▶ WDM (not deployed/tested in SBC territory*)

LS-2012

Replace BCUs with ABCUs (2)

Add ADLUs

In Service

Transport by:

- ▶ Separate Fiber
- ▶ OC-3c broadband drop
- ▶ WDM (not deployed/tested in SBC territory*)

-
- * WDM offered for applications with no spare fiber. Limitations include:
- Additional equipment, costs, and replacement of COT & RT Optics
 - Important testing capabilities are eliminated
 - Maximum 2 wavelength solution for proprietary, integrated optics
 - Have to move existing TDM traffic to new wavelength (in service cut)

DMT “combo” line card

2 subscriber lines per card

Integrated POTS and splitter

224 VCs per CBA; one VP per CBA; up to 32 CBAs per chain

Up to 2 PVCs per drop (tested)

1,024 per OC-3c chain

Two classes of service - UBR and CBR

Line rates set in 32 Kbps increments

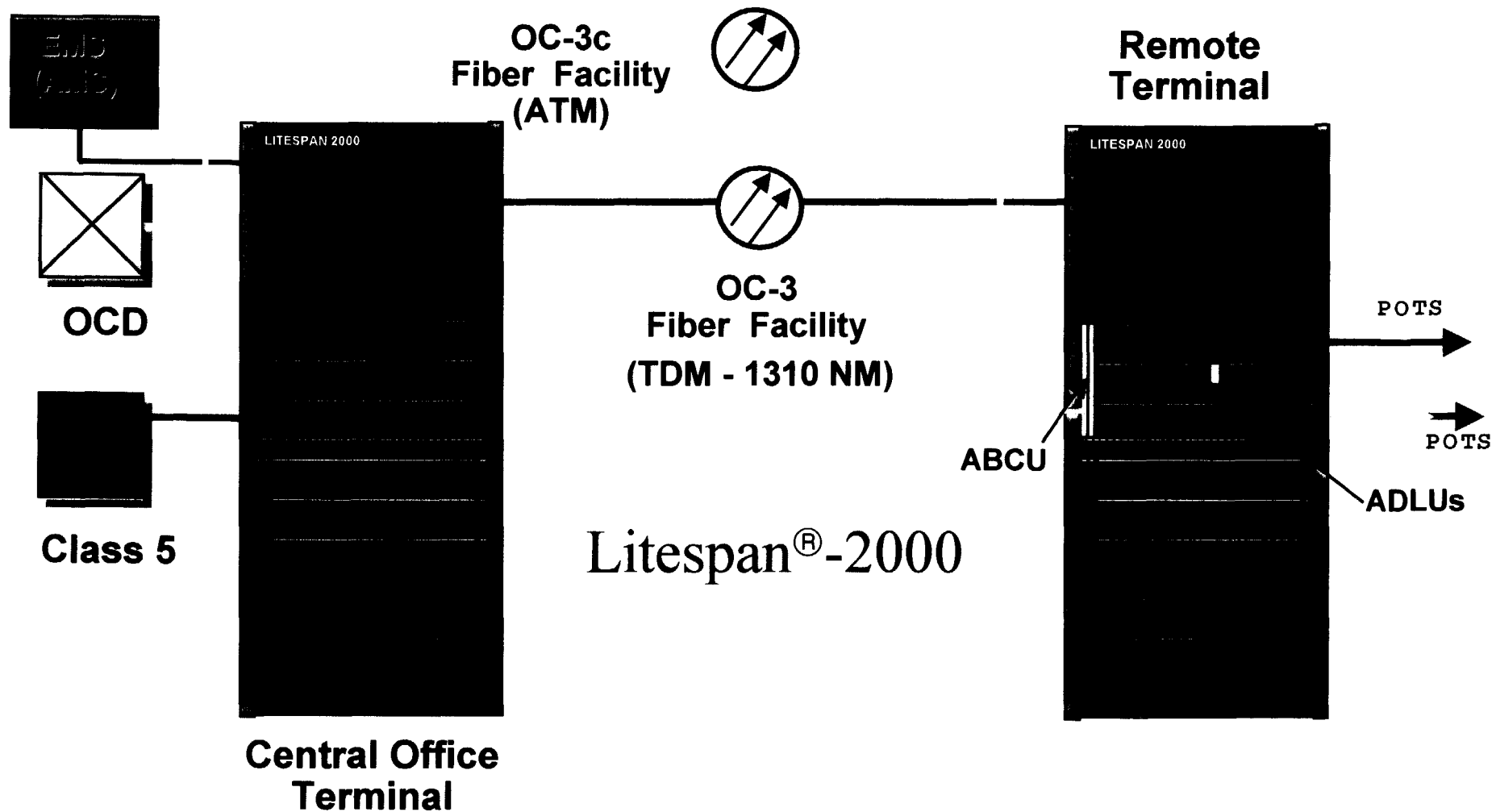
Test access (mechanized loop testing support)

AMS 3x

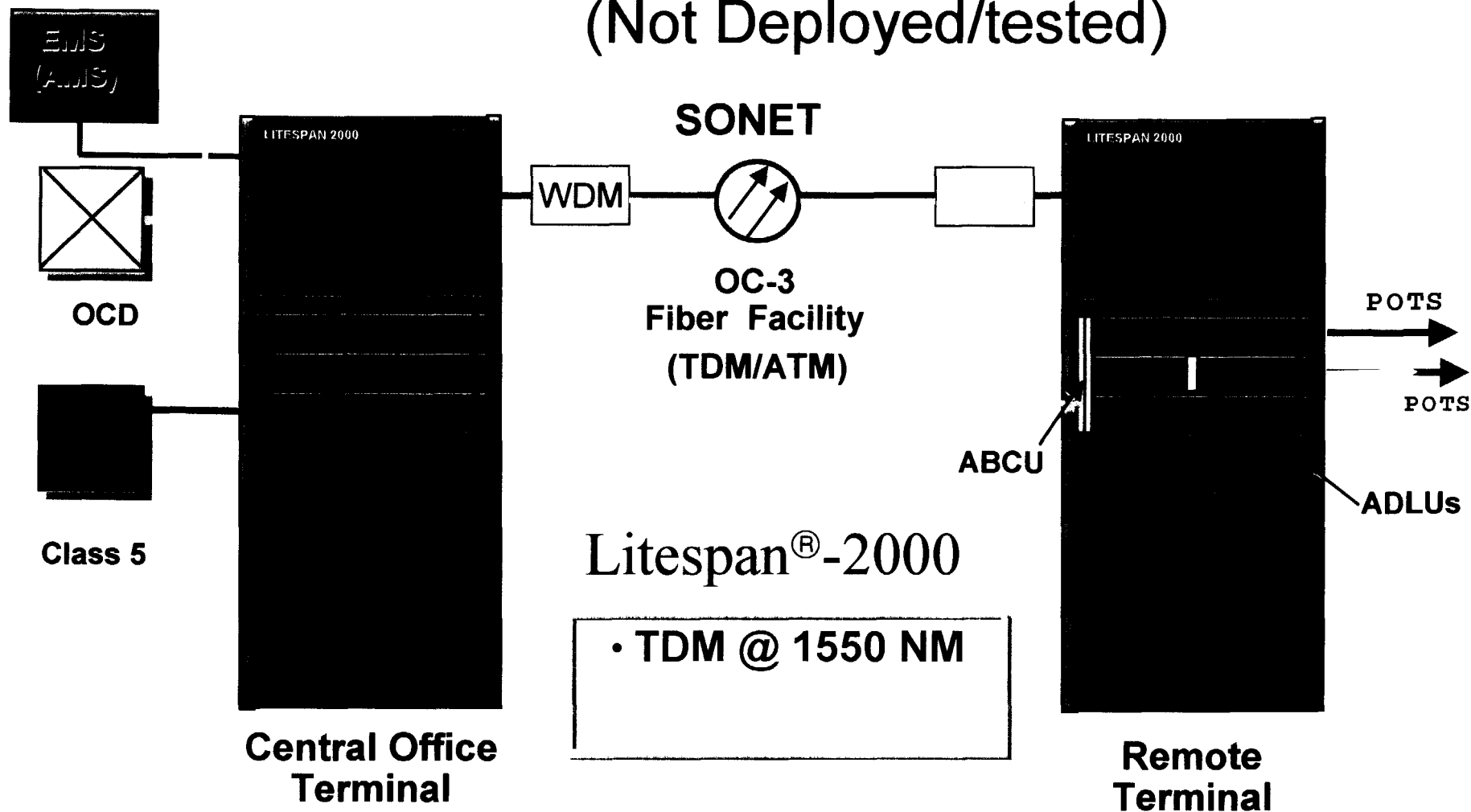
Approximately 1/3 shelves can be upgraded

Power and thermal dissipation restrictions

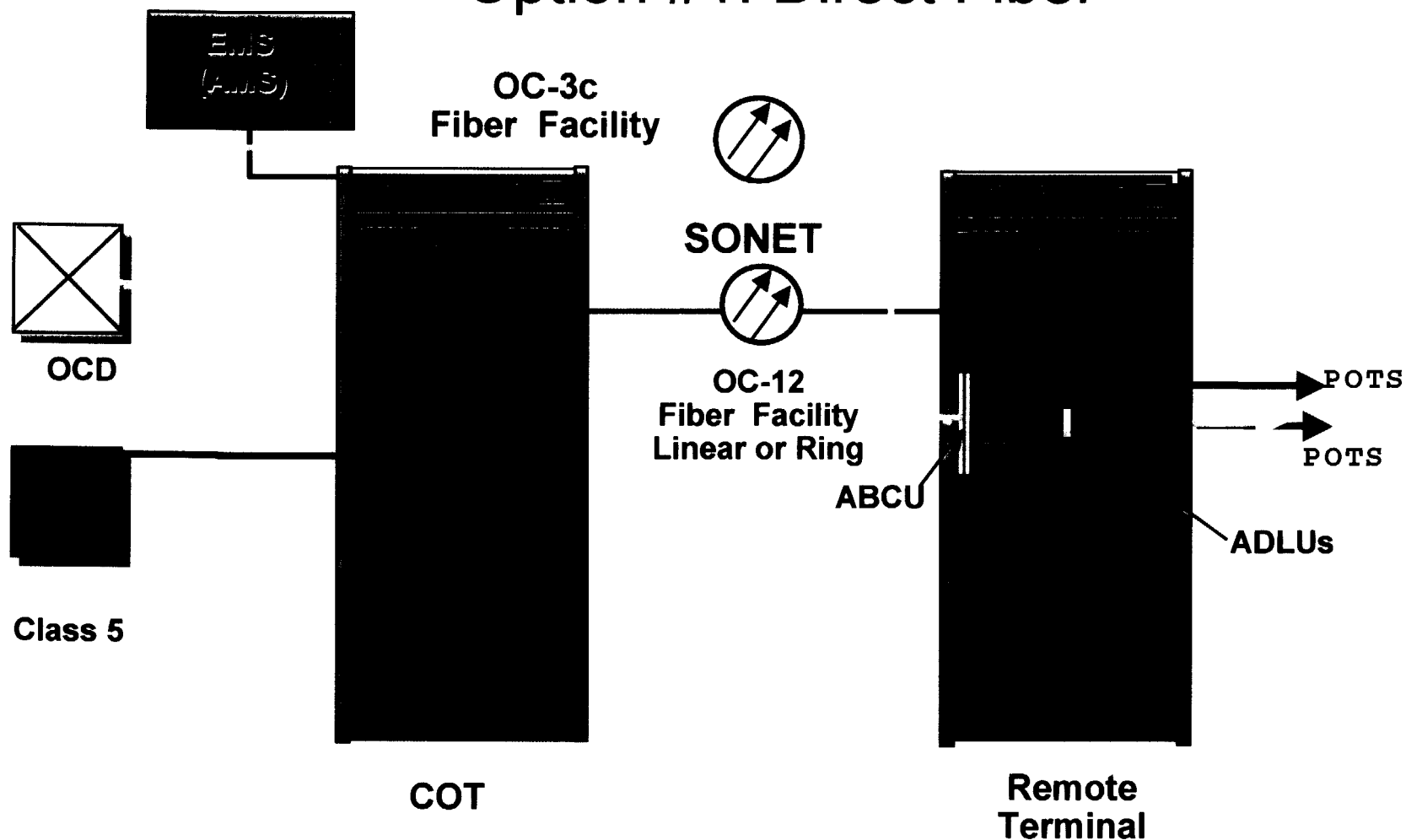
Option #1: Direct Fiber



Option #2: WDM (Not Deployed/tested)

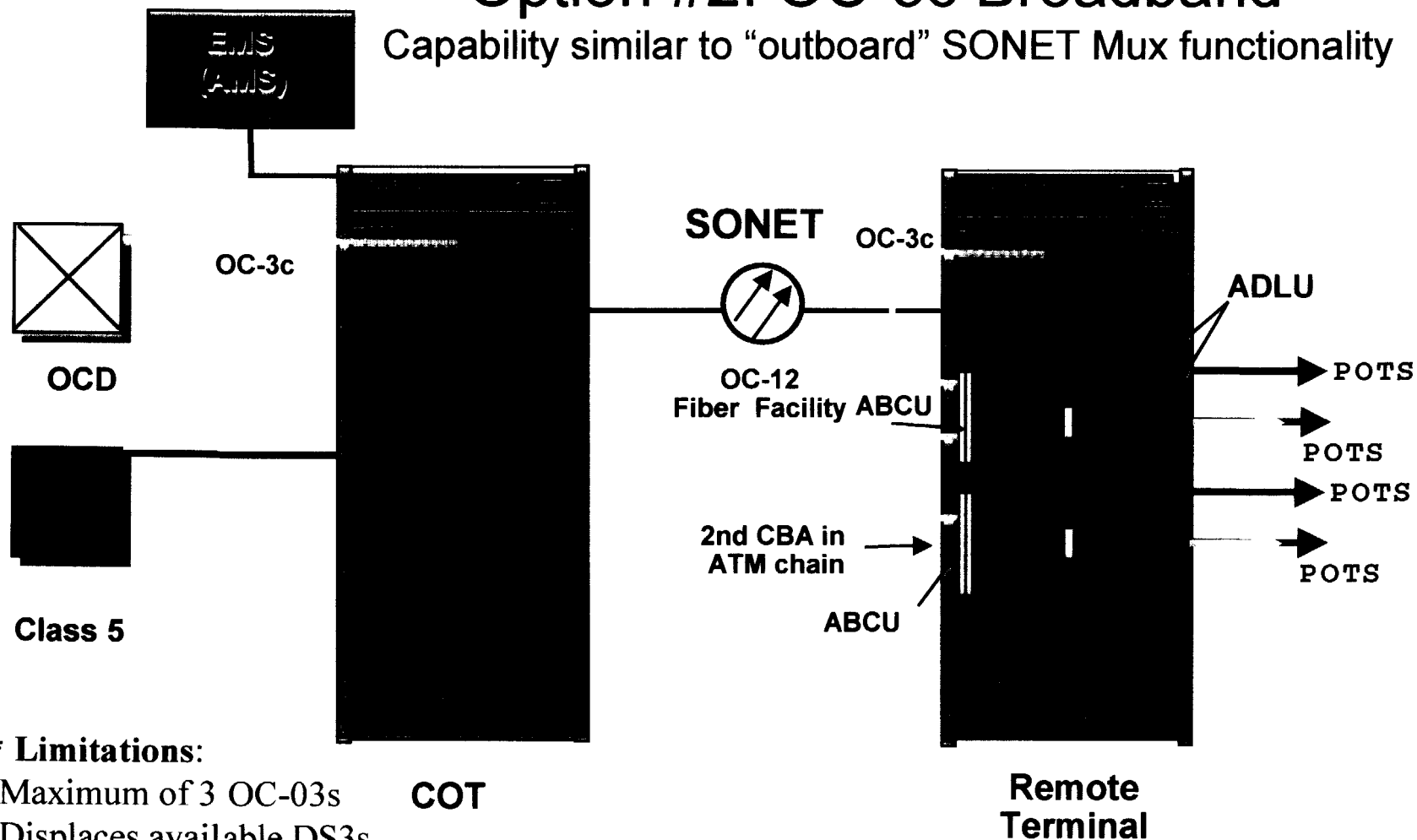


Option #1: Direct Fiber



Option #2: OC-3c Broadband*

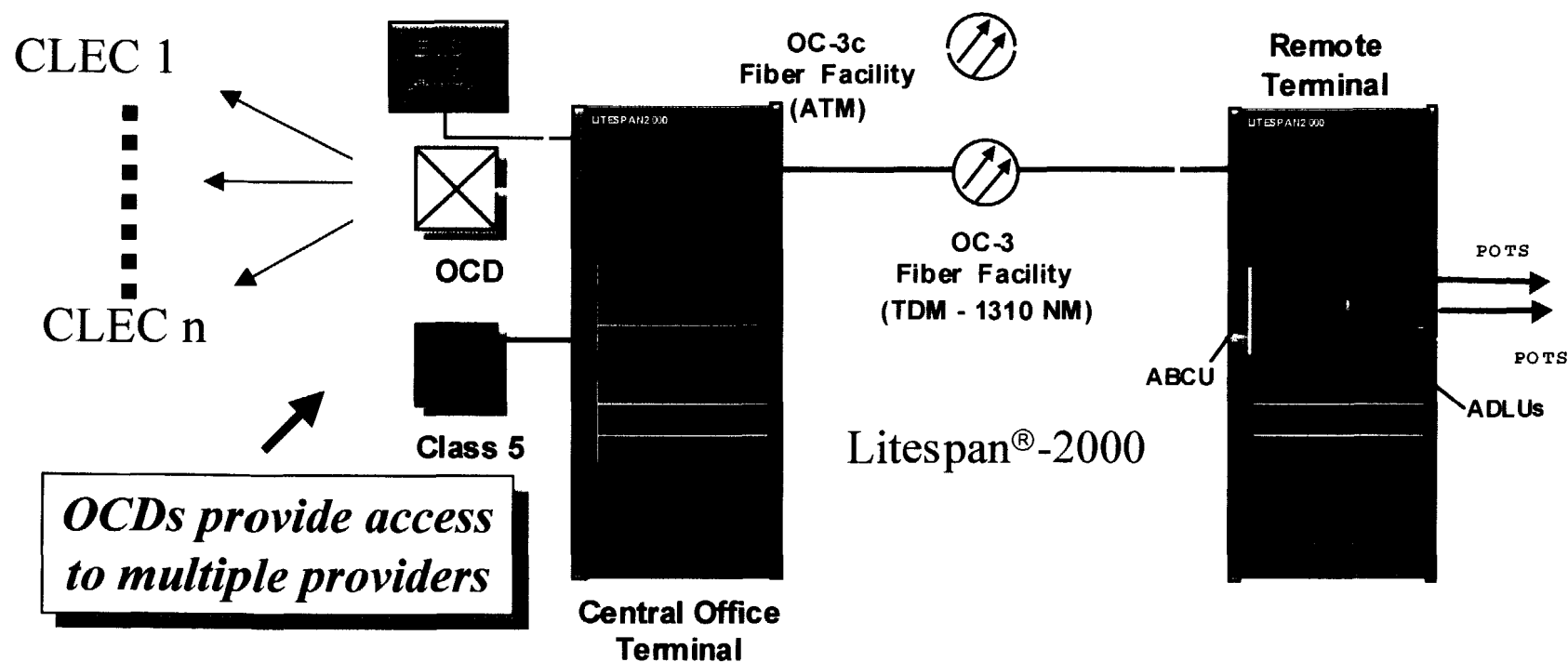
Capability similar to "outboard" SONET Mux functionality

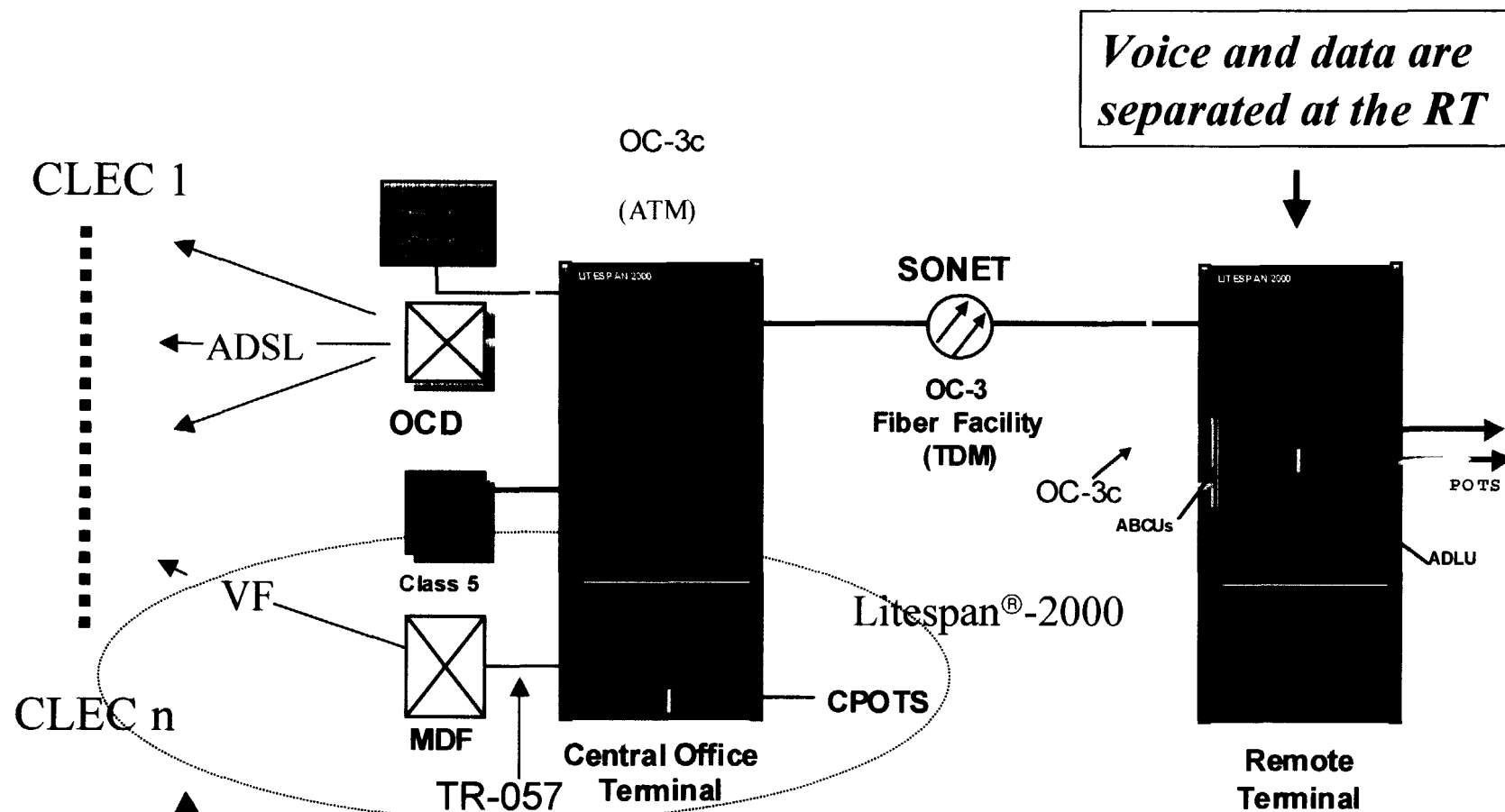


* Limitations:

- Maximum of 3 OC-03s
- Displaces available DS3s
- Consumes 1/4 OC-12 capacity

There is only one OC-3c interface for each ABCU chain





They can be combined to a CLEC using a combination of an OCD handoff for ADSL and a direct VF connection for POTS

**Note: These are Litespan features planned by Alcatel USA.
Deployment depends upon customer tests and acceptance,
as well as actual installation plans.**



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Broadening DSL Services

Quad Combo (ADSL & POTS) ADLU

HDSL2 (TDM)

G.Lite Mode (w/o Fast Retrain)- Quad ADLU only

Quad G.SHDSL*

Greater ATM functionality

Provisionable VP/VC Cross-Connects

Eliminates fixed mapping

More than one VP per CBA (OC-03 bandwidth limitation still applies)

Much more efficient utilization of OCD bandwidth

* New Features since July User's Group

Only Litespan® cards can be installed in Litespan®

Proprietary shelf, backplane and software

Software is copyright protected, issued under restricted license

Contracts and warranties prohibit foreign equipment

Cannot support proprietary cards/interfaces (*i.e.*,SDSL)

Backplane and bus limitations

Software and resource restraints

Will support standard interfaces (G.SHDSL)

Installing card does not deliver service

No direct, physical access to cards (only interfaces)

Service turn-up depends on software provisioning

ALCATEL

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